

Refugio Oil Spill

As of 02 June 2015, 0800 PST:

Changes will be highlighted in blue

Executive Summary:

Incident Command Post (ICP) Santa Barbara is located at 495 Fairview Ave, near the Santa Barbara Airport.

The FOSC and the EPA OSC issued and cosigned an administrative order on 27th May 2015 to the responsible party for the removal, mitigation, or prevention of a substantial threat of oil discharge.

Tar ball sightings have been observed on Ventura, Los Angeles, and Orange County beaches. A separate Incident Command Post was established in the South Bay of Los Angeles and Orange Counties to respond to the pollution. The ICP for the Refugio Incident is responding to the Ventura County sightings. Furthermore, Ventura County activated their EOC and has placed a Liaison in the Refugio Incident ICP to help coordinate activities. The Naval Base Ventura County has also provided a liaison to the ICP due to impacts to Point Mugu. Samples have been collected at all tar ball sites and will be fingerprinted to determine if there is any correlation to the Refugio Beach Incident.

The Unified Command consists of:

- Federal On Scene Coordinator - USCG
- Inland On-Scene Coordinator - USEPA
- State on Scene Coordinators - CA State Parks & CA Fish and Wildlife: Office of Spill Prevention and Response (OSPR)
- Local On-scene Coordinator - Santa Barbara County OEM
- Responsible Party- Plains All American Pipeline LLC
- Santa Ynez Chumash Tribe
- Owl Clan Consultant representing the three Clans: Barbareno, Coastal and Southern Owl

The ICP is currently overseeing operations in Santa Barbara and Ventura County from Gaviota to Point Mugu, 80 miles of shoreline, 30 miles of offshore and inland where the response originated. Staging Areas are located at Refugio State Beach, El Capitan East and El Capitan West. Plains All American estimates that the maximum potential release is 101,000 gallons spilled.

Current Impacts:

- The majority of oiling is located on beaches, cobble, riprap, and on rock faces between Arroyo Hondo and El Capitan Beach. Light oiling has been discovered as far as Point Mugu (east) and 2 miles west of Arroyo Hondo (west). These areas have been targeted for manual removal as needed.
- Winds and currents have spread offshore and the leading edge eastward. Oil escaping the near shore zone is being collected by oil recovery vessels.
- Oiled areas onshore threaten sensitive and endangered species habitat areas.

Potential Impacts:

- As free-floating oil progressed east, Coal Oil Point (sensitive habitat for Plovers), Haskell Beach, Bacara (a 5-star resort) and Goleta Beach (popular swimming and water sports location) were oiled, however it has yet to be verified whether light oiling is from natural seepage or from the Refugio Incident. Coal Oil Point is a sensitive habitat for Plovers; Goleta Beach is a popular swimming and water sports location.
- All sensitive areas are boomed off down to Devereaux slough, which has a natural berm for exclusion.

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Environmental Impacts

- **Wildlife Impacts:** The Oiled Wildlife Care Network continues to conduct wildlife monitoring and recovery efforts. To date there have been confirmed: 57 birds captured alive, 80 birds are dead with a total number of 137 birds affected. 38 mammals have been captured alive, 45 mammals are dead with a total number of 83 mammals affected.
- SCAT Teams assessed approximately 57.41 miles of shoreline. Of that, 2.47 miles was heavily impacted, 20.57 miles was moderately impacted, 17.82 miles was lightly impacted, 3.01 miles was very lightly impacted, 2.08 miles was reported with tar balls, and 3.70 miles was identified with no impact. The total miles of impacted shoreline to date is 45.95 miles.
- Affected beaches border Refugio and Coal Oil Point. Campgrounds in these areas remain closed and campers were evacuated. The state beaches are closed until further notice for Refugio and El Capitan beaches.
- A 23 mile by 7 mile area offshore has been closed to fishing. There is a 1000 feet temporary flight restriction within a 5 mile radius of Refugio Beach until June 6th 2015.

	Shoreline Oiling Categories (miles and %) - Refugio Incident															
Most Recent Survey Date	Heavy	Moderate	Light		Very Light		Tar balls (<1%)		No Oil Obs		Background		Total Oiled Shoreline	Total Surveyed Shoreline		
5/31/2015	2.47	4.3%	20.57	35.8%	17.82	31.0%	3.01	5.2%	2.08	3.6%	3.70	6.4%	7.76	13.5%	45.95	57.41

On-scene Weather:

- Hi/Low Temp: 68/55
- 06-02 Tue 10:58 AM PDT 3.6 feet High Tide
- 06-02 Tue 3:39 PM PDT 1.9 feet Low Tide
- 06-02 Tue 8:06 PM PDT Sunset
- 06-02 Tue 9:58 PM PDT 6.0 feet High Tide
- 06-03 Wed 5:13 AM PDT -0.9 feet Low Tide
- 06-03 Wed 5:47 AM PDT Sunrise
- Today winds variable 10 kt or less...becoming W 10 to 15 kt with local gusts to 20 kt in the afternoon. Wind waves 2 ft or less. W swell 2 to 3 ft at 10 seconds. Patchy fog in the morning.
- Tonight W winds 10 to 15 kt with local gusts to 20 kt in the evening...becoming variable 10 kt or less. Wind waves 2 ft or less. W swell 2 to 4 ft at 9 seconds.

Coast Guard Supporting Unit Summary:

- Sector LA/LB, PST, CG-IMAT, D11, NPFC, PIAT and PACAREA
- PAs on scene – 05 personnel
- PIAT on scene – 02 personnel

Response Efforts

- Onshore:
 - Using hand tools, workers removed oiled soil near the culvert on the southwest side of the railroad tracks.
 - Work on the new section of pipeline continued with weld X-Ray, weld sand blast, and coating completed.

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- Work continues on cleaning the culvert area. Lane closures are expected to continue through Friday, 5 June, from 0900 to 1500. However, a major biking event that is also scheduled for Friday, 5 June, may impact operations.
- **Shoreline:**
 - Work crews continue clean up at work sites from Gaviota Creek, Santa Barbara County, to Hollywood Beach, Ventura County.
 - 4,580 feet of hard and sorbent boom are being sustained to protect 12 sites that have been identified in the ACP as sensitive.
 - Refugio and El Capitan state beaches are closed until 18 June, or until further notice at the discretion of the State Park.
- **Offshore:**
 - Oil recovery vessels conducted offshore skimming of free floating oil.
 - The assigned 13 vessels and 1 barge continued booming (with both hard and sorbent boom) and skimming operations. 84 gallons of oily water mixture was collected today bringing the cumulative total to 11,999 gallons.
 - The on water recovery group continues to sustain 6000 ft of hard and sorbent boom.
 - Oil was observed from scheduled NOAA over flights. The area is prone to natural oil seepage and the environmental unit is assessing possible sources and distinction of natural seepage versus oil spilled from this response. In an abundance of caution, skimming operations continue to occur on suspected natural seeps to help minimize potential impact to ongoing shoreline cleanup activities.
 - The temporary safety zone remains in place for 6 NM of shoreline from Tajiguas creek to and including El Capitan Beach, extending out 500 yards from the shoreline. In addition, a 100 yard radius temporary safety zone remains in place around all vessels engaged in the recovery operations.
 - 1000 foot temporary flight restriction within a 5 mile radius of Refugio Beach remains in effect until June 6th 2015. An internal incident flight restriction remains in effect within ½ mile or an altitude of 500ft in the vicinity of Coal Oil Point to protect Snowy Plover habitat.

Future Intentions:

- Continue to ensure safety of responders and public as clean-up operations continue
- Employ strategies that clean up product but safeguard environmentally sensitive areas
- Fully employ the Volunteer Plan from the Area Contingency Plan and ensure public is avoiding unsafe contact with product
- Recover product to the greatest extent possible and prevent migration from release site to shoreline
- Recover product/safeguard culturally sensitive areas
- Keep public and stakeholders informed
- RRT conference call has decreased frequency from every day 1300 to MWF 1330
- The operational period will be adjusted from a 48-hour operational period to 72-hour operational period beginning 0600 on Wednesday, 03Jun15

MISCELANEOUS

- Chumash tribal members continue to be involved / consulted with response providing cultural and archeological guidance and oversight as needed.
- Continued contact with reps from Ventura County Board of Supervisors (county OEM) regarding oiling in Ventura County Beaches. Contacted Rep. Brownley's staff regarding response efforts in Ventura County.

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Counties Affected	2 (Santa Barbara, Ventura)
Total Response Personnel	1202
Total Responder Injuries (Updated in concurrence with OSHA standards)	1
Total Gallons Discharged	Estimated Max Potential of 105K Gallons
Total Gallons Recovered	11,915 Gallons
Cumulative Cubic Yards of Contaminated Soil Recovered	3,840 cubic yards
Cumulative Contaminated Solids Recovered	600 cubic yards oiled sand, 525 cubic yards oiled vegetation, 210 cubic yards oiled debris/PPE, 105 cubic yards of absorbents.
Total Oiled Birds	137 total; 57 alive, 80 dead
Total Oiled Marine Mammals	83 total, 38 alive; 45 dead
Number of Beaches Closed	2 – El Capitan Beach and Refugio State Beach closed
Number of Vessels (VOSS/Skimming)	13 vessels assigned; 01 Barge
Number of SCAT Teams	5
Feet of Boom Laid Out	6000' hard and sorbent boom
Number of Contracted Aircraft	2
Resources Requested from D11	02 USCG Laptops, have been transported

Responding Agencies/Contractors:

Personnel	# of Personnel
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